

RF Exposure Statement

No. 22IE0029-HO-2A

Applicant	: Nagano Japan Radio Co., Ltd.
Type of Equipment	: Wireless LAN
Model No.	: NJT-475
FCC ID	: D7LNJT475

FCC Radiation Exposure Statement:

Nagano Japan Radio Co., Ltd. Wireless LAN (NJT-475) complies with FCC radiation exposure requirement specified in the FCC Rules 15.247(b)(4).

Notice in Installation Manual

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for at uncontrolled equipment. This equipment should be installed and operated with minimum distance at least 20cm between the radiator and persons body (excluding extremities: hands, wrists, feet and legs) and must not be co-located or operated with any other antenna or transmitter.

RF Exposure Calculations:

The following information provides the minimum separation distance for the highest gain antenna provided with the “Wireless LAN(NJT-475)” as calculated from FCC OET Bulletin 65 Appendix B, Table (B) Limits for General Population / Uncontrolled Exposure. This calculation is based on the highest EIRP possible from the system, considering maximum power and antenna gain, and considering a 1.0m W/cm^2 uncontrolled exposure limit. The Friis formula used was:

$$S = (P * G) / (4 * \pi * r^2) \quad \text{or} \quad r = \sqrt{(P * G) / (4 * \pi * S)}$$

Where **S = 1.00 mW/cm^2 for 2400 MHz**
 P = 1.03 mW (Maximum peak output power(Conducted))
 G = 1.64 (antenna gain : Converted absolute value)
 r = Minimum safe distance from antenna (cm)

For: Wireless LAN NJT-475

r = 0.37 cm

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